(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 21 April 2005 (21.04.2005)

PCT

(10) International Publication Number WO 2005/034977 A1

(51) International Patent Classification⁷: A23L 1/30

A61K 35/78,

(21) International Application Number:

PCT/US2004/033410

- (22) International Filing Date: 12 October 2004 (12.10.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/510,564

10 October 2003 (10.10.2003) U

- (71) Applicant (for all designated States except US): MON-TANA STATE UNIVERSITY-BOZEMAN [US/US]; 304 Montana Hall, Montana State University-Bozeman, Bozeman, MT 59717 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): JOHNSON, Duane, L. [US/US]; 304 Montana Hall, Montana State University-Bozeman, Bozeman, MT 59717 (US). STANISLAO, Bettie, C. [US/US]; 304 Montana Hall, Montana State University-Bozeman, Bozeman, MT 59717 (US). SANDS, David, C. [US/US]; 304 Montana Hall, Montana State University-Bozeman, Bozeman, MT 59717 (US).

- (74) Agents: VEITENHEIMER, Erich, E. et al.; Morgan, Lewis & Bockius, LLP, 1111 Pennsylvania Avenue, NW, Washington, DC 20004 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PRODUCTION OF GLUTEN-FREE FOOD PRODUCTS USING TIMOTHY GRASS

(57) Abstract: The present invention discloses novel methods of using *Phleum* spp. seeds, especially Timothy grass (*P. pratense L.*) seeds, for making gluten-free food.products and the food products produced using such methods.